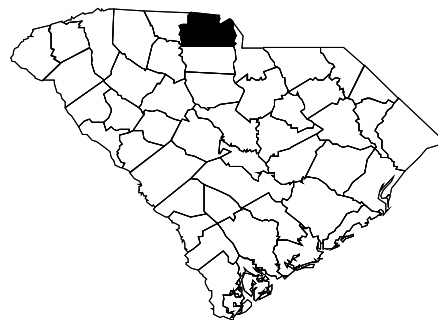


IMPACT OF CHRONIC CONDITIONS YORK

County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of York county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of York county's population is similar to the state population. The majority (40%) of the population in York county are between the ages of 18-44, and there are more females (51%) than males (49%). However, York county has a lower minority population (22%) than the state (31%). When adults in DHEC's Region 3, which includes York County, were asked about their general health status, 85.5% reported having excellent, very good, or good health in 2005 (SC was 82%).

	YORK COUNTY	STATE
Population size	190,097	4,255,083
Age distribution (%)		
<18	25	24
18-44	40	38
45-64	26	25
65-84	9	11
85+	1	2
Race (%)		
White	78	69
Black & Other	22	31
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for York County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	24	22
Sedentary lifestyle	20	26
Overweight	63	65
High Cholesterol	39	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.9	.	.	.	.	31.7
Number of hospitalizations	102	53	49	43	59	5,032
Crude rate of hospitalizations (per 100,000)	54	129	33	46	60	118
Median age of hospitalized patients	55	47	67	52	57	57
Total cost of hospitalization (\$)	1,810,200	926,200	884,000	922,100	888,100	109,400,500
Average length of hospital stay (days)	5	4	5	5	4	5
Number of ED visits	236	143	92	87	149	7,466
Crude rate of ED visits (per 100,000)	124	348	62	94	153	175
Median age of ED patients	47	47	55	50	47	52
Total cost of ED visits (\$)	289,000	157,200	131,800	96,800	192,200	9,929,000
Number of deaths**	18	7	11	8	10	423
Age-Adjusted Death rate (per 100,000)**	12	27	9	11	10	10

*by county

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.6	.	.	.	.	4.1
Number of hospitalizations	1,655	348	1,306	908	747	60,901
Crude rate of hospitalizations (per 100,000)	871	847	877	981	766	1,431
Median age of hospitalized patients	67	62	67	62	72	67
Total cost of hospitalization (\$)	56,375,400	10,740,100	45,635,300	33,866,800	22,508,600	2,286,836,400
Average length of hospital stay (days)	4	5	4	4	4	5
Number of ED visits	269	98	171	132	137	12,989
Crude rate of ED visits (per 100,000)	142	238	115	143	140	305
Median age of ED patients	62	57	62	57	62	62
Total cost of ED visits (\$)	601,100	202,300	398,800	309,800	291,300	42,115,900
Number of deaths**	310	51	254	164	146	9,328
Age-Adjusted Death rate (per 100,000)**	190	204	186	239	150	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	390	86	304	188	202	13,925
Crude rate of hospitalizations (per 100,000)	205	209	204	203	207	327
Median age of hospitalized patients	72	67	72	72	72	72
Total cost of hospitalization (\$)	9,404,100	2,381,100	7,023,000	4,809,700	4,594,400	384,441,600
Average length of hospital stay (days)	5	7	5	5	5	6
Number of ED visits	63	16	47	35	28	2,515
Crude rate of ED visits (per 100,000)	33	39	32	38	29	59
Median age of ED patients	72	57	77	67	77	67
Total cost of ED visits (\$)	181,700	53,700	128,000	101,700	80,000	9,113,000
Number of deaths**	75	12	63	33	42	2,440
Age-Adjusted Death rate (per 100,000)**	47	48	47	50	44	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	411	108	303	151	260	15,753
Crude rate of hospitalizations (per 100,000)	216	263	203	163	267	370
Median age of hospitalized patients	57	42	62	57	62	62
Total cost of hospitalization (\$)	6,853,900	1,156,400	5,697,500	2,095,400	4,758,500	268,425,300
Average length of hospital stay (days)	5	3	5	4	5	5
Number of ED visits	1,059	515	544	475	584	36,543
Crude rate of ED visits (per 100,000)	557	1,253	365	513	599	859
Median age of ED patients	32	27	37	22	37	37
Total cost of ED visits (\$)	1,245,600	572,500	673,100	523,700	721,900	40,613,700
Number of deaths**	94	7	87	44	50	1,968
Age-Adjusted Death rate (per 100,000)**	59	28	64	71	52	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.8	.	.	.	.	10.3
Number of hospitalizations	263	125	138	113	150	9,027
Crude rate of hospitalizations (per 100,000)	138	304	93	122	154	212
Median age of hospitalized patients	57	52	57	57	57	52
Total cost of hospitalization (\$)	4,075,700	1,728,500	2,347,200	1,730,000	2,345,700	179,747,700
Average length of hospital stay (days)	4	4	5	5	4	6
Number of ED visits	256	126	129	115	141	9,603
Crude rate of ED visits (per 100,000)	135	307	87	124	145	226
Median age of ED patients	52	52	52	52	57	52
Total cost of ED visits (\$)	370,600	176,900	193,700	168,000	202,600	13,447,300
Number of deaths**	28	5	22	16	12	1,183
Age-Adjusted Death rate (per 100,000)**	15	17	13	18	11	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	307	59	247	163	144	16,389
Crude rate of hospitalizations (per 100,000)	161	144	166	176	148	385
Median age of hospitalized patients	67	62	67	62	67	62
Total cost of hospitalization (\$)	10,809,000	2,744,500	8,064,500	6,556,700	4,252,300	664,309,500
Average length of hospital stay (days)	7	9	6	8	6	8
Number of deaths**	338	57	278	199	139	8,617
Age-Adjusted Death rate (per 100,000)**	194	215	191	265	142	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	43	15	28	26	17	2,070
Crude rate of hospitalizations (per 100,000)	23	36	19	28	17	49
Median age of hospitalized patients	67	67	67	65	72	67
Total cost of hospitalization (\$)	2,597,700	489,200	2,108,500	1,932,000	665,700	101,377,700
Average length of hospital stay (days)	11	7	13	13	8	10
Number of deaths**	41	14	26	24	17	812
Age-Adjusted Death rate (per 100,000)**	24	59	18	33	18	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	26	2	24	-	26	1,228
Crude rate of hospitalizations (per 100,000)	27	9	31	.	36	56
Median age of hospitalized patients	65	67	65	-	65	62
Total cost of hospitalization (\$)	352,700	17,100	335,600	-	352,700	26,163,000
Average length of hospital stay (days)	2	1	2	-	2	3
Number of deaths**	20	8	12	-	20	651
Age-Adjusted Death rate (per 100,000)**	20	48	14	-	20	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	-	1	-	1	192
Crude rate of hospitalizations (per 100,000)	1	-	1	-	1	9
Median age of hospitalized patients	37	-	37	-	37	47
Total cost of hospitalization (\$)	21,600	-	21,600	-	21,600	4,668,500
Average length of hospital stay (days)	5	-	5	-	5	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	36	4	32	25	11	2,181
Crude rate of hospitalizations (per 100,000)	19	10	21	27	11	51
Median age of hospitalized patients	67	72	67	67	67	67
Total cost of hospitalization (\$)	1,270,500	87,400	1,183,100	960,400	310,100	92,775,300
Average length of hospital stay (days)	8	6	9	8	8	9
Number of deaths**	121	17	102	72	49	2,703
Age-Adjusted Death rate (per 100,000)**	68	63	69	95	50	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	25	3	22	25	-	1,209
Crude rate of hospitalizations (per 100,000)	27	15	30	49	-	58
Median age of hospitalized patients	62	52	65	62	-	62
Total cost of hospitalization (\$)	449,200	55,200	394,000	449,200	-	30,356,600
Average length of hospital stay (days)	2	2	2	2	-	4
Number of deaths**	8	1	7	8	-	460
Age-Adjusted Death rate (per 100,000)**	14	16	14	14	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

For more information about

Chronic diseases in South Carolina contact:

Khosrow Heidari
Bureau of Community Health and Chronic Disease Prevention
SC Department of Health and Environmental Control
1777 St. Julian Place
Columbia, SC 29204
Tel (803) 545-4928

Hospital discharges and ED visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

